

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 3994994-144416
First Inventor Augustine Kwasi Foli
Title System for Configuring ..
Express Mail Label No. EV342098485US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 28]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 12]
5. Oath or Declaration [Total Sheets 2]
 - a. ☒ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s)
name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ Paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement of Power of Attorney
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449
Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.:

Prior application information:


Examiner

Art Unit:

For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☐ Customer Number: OR ☒ Correspondence address below

Name	Edwin M. Baranowski				
Address	Porter Wright Morris & Arthur LLP				
	41 South High Street				
City	Columbus	State	Ohio	Zip Code	43215
Country	USA	Telephone	614/227-2188	Fax	614/227-2100
Name (Print/Type)	Edwin M. Baranowski	Registration No. (Attorney/Agent)	27,482		
Signature		Date	9-17-03		

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

FEE TRANSMITTAL for FY 2003		<i>Complete if Known</i>	
<i>Effective 01/01/2003. Patent fees are subject to annual revision.</i>		Application Number	
		Filing Date	September 16, 2003
		First Named Inventor	August Kwasi Foli
		Examiner Name	
		Art Unit	
		Attorney Docket No.	3994994-144416
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27			
TOTAL AMOUNT OF PAYMENT (\$) 1,678.00			

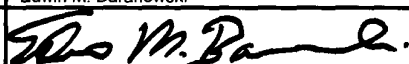
<p>METHOD OF PAYMENT (check all that apply)</p> <p> <input type="checkbox"/> Check <input type="checkbox"/> Check card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None </p> <p><input checked="" type="checkbox"/> Deposit Account:</p> <table style="width:100%;"> <tr> <td>Deposit Account Number</td> <td>16-2326</td> </tr> <tr> <td>Deposit Account Name</td> <td>Porter Wright Morris & Arthur LLP</td> </tr> </table> <p>The Commissioner is authorized to: (check all that apply)</p> <p> <input checked="" type="checkbox"/> Charge fee(s) indicated below <input type="checkbox"/> Credit any overpayments </p> <p> <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account. </p>	Deposit Account Number	16-2326	Deposit Account Name	Porter Wright Morris & Arthur LLP	<p>FEE CALCULATION (continued)</p> <p>3. ADDITIONAL FEES</p> <table style="width:100%;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>410</td><td>2252</td><td>205</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>930</td><td>2253</td><td>465</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1,450</td><td>2254</td><td>725</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>1,970</td><td>2255</td><td>985</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>320</td><td>2401</td><td>160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>320</td><td>2402</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>280</td><td>2403</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,300</td><td>2453</td><td>650</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1,300</td><td>2501</td><td>650</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>470</td><td>2502</td><td>235</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>630</td><td>2503</td><td>315</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17(c)</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Filing a submission after final rejection(37 CFR 1.129(a))</td><td></td></tr> <tr><td>1809</td><td>750</td><td>2809</td><td>375</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>1810</td><td>750</td><td>2810</td><td>375</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1801</td><td>750</td><td>2801</td><td>375</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td></td><td></td></tr> </tbody> </table> <p>Other fee (specify) _____</p>	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	130	2051	65	Surcharge - late filing fee or oath		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet		1053	130	1053	130	Non-English specification		1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		1251	110	2251	55	Extension for reply within first month		1252	410	2252	205	Extension for reply within second month		1253	930	2253	465	Extension for reply within third month		1254	1,450	2254	725	Extension for reply within fourth month		1255	1,970	2255	985	Extension for reply within fifth month		1401	320	2401	160	Notice of Appeal		1402	320	2402	160	Filing a brief in support of an appeal		1403	280	2403	140	Request for oral hearing		1451	1,510	1451	1,510	Petition to institute a public use proceeding		1452	110	2452	55	Petition to revive - unavoidable		1453	1,300	2453	650	Petition to revive - unintentional		1501	1,300	2501	650	Utility issue fee (or reissue)		1502	470	2502	235	Design issue fee		1503	630	2503	315	Plant issue fee		1460	130	1460	130	Petitions to the Commissioner		1807	50	1807	50	Processing fee under 37 CFR 1.17(c)		1806	180	1806	180	Submission of Information Disclosure Stmt Recording each patent assignment per property (times number of properties)		8021	40	8021	40	Filing a submission after final rejection(37 CFR 1.129(a))		1809	750	2809	375	For each additional invention to be examined (37 CFR 1.129(b))		1810	750	2810	375	Request for Continued Examination (RCE)		1801	750	2801	375	Request for expedited examination of a design application		1802	900	1802	900		
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FEE CALCULATION					
1. BASIC FILING FEE					
Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	750	2001	375	Utility filing fee	750
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1) (\$)					750
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE					
Total Claims	56	-20** =	36	x	648
Independent Claims	3	-3** =		x	0
Multiple Dependent				x	280
SUBTOTAL (2) (\$)					1,678.00

** or number previously paid, if greater; For Reissues, see above

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

SUBMITTED BY		<i>(Complete if applicable)</i>	
Name (Print/Type)	Edwin M. Baranowski	Registration No. (Attorney/Agent)	27,482
Signature		Telephone	614/227-2188
		Date	September 17, 2003

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20531. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

PORTER WRIGHT MORRIS & ARTHUR_{LLP}
Attorneys & Counselors at Law

Edwin M. Baranowski
PATENTS AND TRADEMARKS

614-227-2188
ebaranowski@porterwright.com

41 South High Street
Columbus, Ohio 43215-6194

Facsimile: 614-227-2100
Toll Free: 800-533-2794

September 17, 2003

By Express Mail Receipt No. EV342098485US

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re:	Inventor:	Augustine Kwasi Foli
	Serial Number:	To be assigned.
	Filed	September 17, 2003
	Title:	SYSTEM FOR CONFIGURING THE GEOMETRIC PARAMETERS FOR A MICRO CHANNEL HEAT EXCHANGER AND MICRO CHANNEL HEAT EXCHANGERS CONFIGURED THEREBY

Dear Sir:

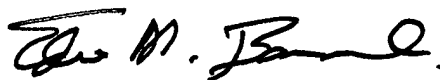
For filing, we are enclosing the following in the above-referenced application for United States Letters Patent:

1. Utility Patent Application Transmittal, Form PTO/SB/05.
2. Fee Transmittal, Form PTO/SB/17, including an authorization to charge fees to Deposit Account 16-2326 (in duplicate).
3. Specification 28 pages, including Abstract, 14 claims [3 independent; 5 dependent; 6 multiple dependent].
4. Drawings: 12 sheets of including Figures 1, 2, 3A, 3B, 4, 5A, 5B, 5C, 6, 7, 8A and 8B.
5. Declaration and Power of Attorney.
6. Application Data Sheet.

A Certificate of Filing by Express Mail follows on page 2 of this cover letter.

Please acknowledge receipt of the foregoing by stamping the enclosed postcard and returning it to us for our file.

Very truly yours,



Edwin M. Baranowski

Enclosures

Mail Stop Patent Application
Commissioner for Patents

Re: Inventor: Augustine Kwasi Foli
Serial Number: To be assigned.
Filed September 17, 2003
Title: SYSTEM FOR CONFIGURING THE GEOMETRIC PARAMETERS FOR A
MICRO CHANNEL HEAT EXCHANGER AND MICRO CHANNEL HEAT
EXCHANGERS CONFIGURED THEREBY

CERTIFICATE OF FILING BY EXPRESS MAIL

I hereby certify that this Application United States Letters Patent comprising:

1. Utility Patent Application Transmittal, Form PTO/SB/05.
2. Fee Transmittal, Form PTO/SB/17, including an authorization to charge fees to Deposit Account 16-2326 (in duplicate).
3. Specification 28 pages, including Abstract, 14 claims [3 independent; 5 dependent; 6 multiple dependent].
4. Drawings: 12 sheets of including Figures 1, 2, 3A, 3B, 4, 5A, 5B, 5C, 6, 7, 8A and 8B.
5. Declaration and Power of Attorney.
6. Application Data Sheet.

accompanied by an itemized postcard receipt, is being deposited with the United States Postal Service by Express Mail Receipt No. EV342098485US in an envelope addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on September 17, 2003.



Edwin M. Baranowski